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Experimental Physics Investigators (EPI) Initiative

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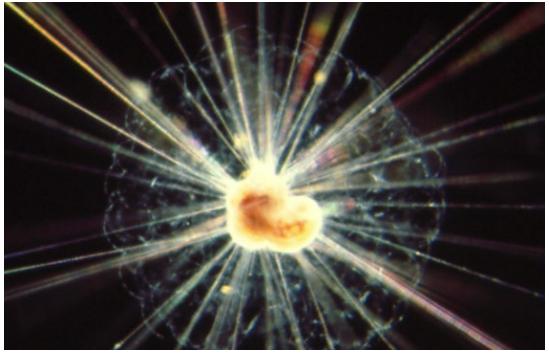
Fall 2024



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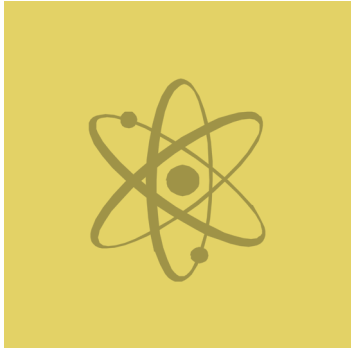
Science



Environmental Conservation

The Bay Area

Wildfire

Experimental Physics Investigators: Overview

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Looking to support high-risk, high-reward research for mid-career individuals

- Cohorts of 20 individuals/year.
- 5 years of support: $1.25M
- Supplemental instrumentation fund
- Annual gathering of investigators
- Goal of building cohorts of distinguished scholars that will advance experimental physics
- Commitment to supporting inclusive research groups that promote equity in the community
- Two-stage proposal process: low bar for applying
- **Pre-proposals due 17 October**

Email: EPI@moore.org

Experimental Physics Investigators: Eligibility

- Received tenure for the first time within past 5 years (or equivalent)
- Possible (non-COVID) extension for significant life-events that impacted research productivity
- US institution; departmental designation not considered
- Experimental physics (related disciplines considered, but we are aiming to support a set of individuals who can collaborate and generate new synergistic ideas to advance the field)

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Experimental Physics Investigators: Disciplinary Focus

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Supported

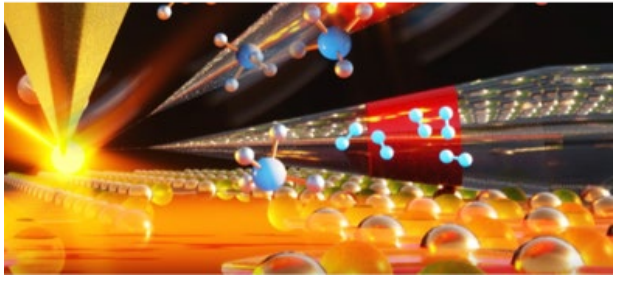
- Atomic/molecular/optical physics
- Biophysics
- Chemical physics
- Condensed matter
- Fluid dynamics
- Geophysics
- Laser physics
- Materials
- Polymer physics
- Plasma physics
- Precision measurements
- Quantum information
- Soft matter physics

Not Supported

- Work in large collaborations
- Theoretical physics
- Computational work
- Observational work (e.g., astronomy)
- Public engagement research
- Education research

Experimental Physics Investigators: Pre-proposal Details

- Brief outline of an exciting new direction that would be difficult to pursue on your current trajectory or with current research efforts including a description of how the proposed research will advance the field (character limited, 1,000-2,000 each)
  - Scientific background
  - Research experience
  - Proposed experiment
  - Potential impact
  - Relationship to current research



- PhySH disciplines and concepts of proposed work; key references
- CV data will be extracted from your ORCID profile (employment, education, awards, funding, publications/presentations)
- Two statements on professional accomplishments
- Personal information (internal use only)

Tentative details

- Project description (6 pages), budget
- Answers to questions about promoting equity and inclusion (*do not include this or institutional context in pre-proposal*)
- Answers to questions from chair describing engagement, research directions, etc.
- List of recommended reviewers and those who you would prefer not review (with rationale)

Experimental Physics Investigators: Timeline

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- September: Pre-proposal opened
- 17 October: Pre-proposal deadline (hard deadline)
- Mid December: Applicants informed of status
- Early January: Potentially conflicted reviewer lists due
- Early February: Full proposals due
- August: Award process (notification)
- September: Technical reviews provided

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Questions?
Feedback?

epi@moore.org

Website